

AGENDA AND FRONT MATERIAL

IEEE P802.3CK - 100 GB/S, 200 GB/S, AND 400 GB/S
ELECTRICAL INTERFACES TASK FORCE

BETH KOCHUPARAMBIL, EMPLOYED BY AND AFFILIATED WITH CISCO SYSTEMS

APRIL 12 & 13, 2022

MEETING

- Attendance
 - Attendee names and affiliations for today's ad hoc will be taken from the WebEx participants list.
 - Please ensure that your full name and employer/affiliation are indicated correctly, if not, please send an e-mail to Beth Kochuparambil ([edonnay at cisco.com](mailto:edonnay@cisco.com)).
 - No IMAT; no official attendance record towards voting rights.

- Please mute your lines if you are not speaking
 - If using computer audio, use SPACEBAR to mute/unmute

AGENDA

- Approval of the Agenda
- ~~Approval of March 30 ad hoc minutes –~~
https://www.ieee802.org/3/ck/public/adhoc/mar30_22/minutes_033022_3ck_adhoc.pdf
- IEEE Participation Requirements reminder (see below for link)
- IEEE Copyright reminder (see below for link)
- IEEE Patent Policy reminder (see below for links)
- Task Force Status
- Comment Resolution – See: https://www.ieee802.org/3/ck/public/22_04/comagenda_3ck_01a_0422.pdf
 - ISI_RES
 - Comments 18, 20, 23, 28, 4, 19, 21, 22, 32
 - Already seen: healey_01, rysin_01, wu_adhoc_033022
 - TX V_CMPP/SCMR - Comments 29, 35, 42, 53, 1
 - TX RLM – Comment 30
 - TX SNDR – Comment 31
 - EH/VEC test method – Comment 55
 - HO/MI EH – Comment 17
 - Host ILdd, TX R_peak
 - Comments 41, 43
 - Already seen: daw_02a
 - Remaining Clause/Annex 163A, 162, 162* comments (see slide 7 of the comment agenda deck)

Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
 - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
 - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
 - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that “*the standards development process shall not be dominated by any single interest category, individual, or organization*”
 - This means no participant may exercise “*authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints*” or “*to hinder the progress of the standards development activity*”
- This rule applies equally to those participating in a standards development project and to that project’s leadership group
- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project’s IEEE-SA Program Manager

IEEE SA COPYRIGHT POLICY

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

IEEE SA COPYRIGHT POLICY

■ The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual

- IEEE SA Copyright Policy, see
Clause 7 of the IEEE SA Standards Board Bylaws
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
Clause 6.1 of the IEEE SA Standards Board Operations Manual
<https://standards.ieee.org/about/policies/opman/sect6.html>

■ IEEE SA Copyright Permission

- <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>

■ IEEE SA Copyright FAQs

- <http://standards.ieee.org/faqs/copyrights.html/>

■ IEEE SA Best Practices for IEEE Standards Development

- http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf

■ Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)

- <https://standards.ieee.org/about/policies/opman/sect6.html>

Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
 - [IEEE Code of Ethics](#)
 - [IEEE Code of Conduct](#)
- The core principles of the IEEE Codes of Ethics & Conduct are to:
 - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
 - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
 - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at <http://www.ieee.org/about/corporate/governance>

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE OF POTENTIALLY ESSENTIAL PATENTS...

WAYS TO INFORM IEEE

- Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

- All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus.
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed. Formally object to the discussion immediately.

For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE SA Standards Board Bylaws*
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- *IEEE SA Standards Board Operations Manual*
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the
IEEE SA Standards Board Patent
Committee Administrator at
patcom@ieee.org**

GROUND RULES

- Recording is prohibited – Is anyone here press?
- **RESPECT one another**... give it, get it
- 6 calendar invites = 1 cohesive meeting
- Offline discussion and consensus building between calls is *necessary*
- No time for crafting solutions or argue wording “on the floor”
- Trust in Editorial License

OPERATIONS

- **Preparation is key**, our time is *VERY* precious
- 15 min presentations (including Q&A)
- Discussions will be brief and decisive. I will keep queues moving.
 - Raise your hand or send a chat to be added to the queue

TASK FORCE STATUS

- CONGRATULATIONS!!! SA Recirculation Ballot closed.
 - 60 comments from 9 commenters
 - Other metrics we watch:

118 Voters	87% Response Rate ($\geq 75\%$ required)
95 Approve	0% Abstain Rate ($< 30\%$ required)
7 Disapprove	93% Approval Rate ($\geq 75\%$ required)
1 Abstain	
103 Ballots returned	
- Draft 3.I is available - <https://www.ieee802.org/3/ck/private/index.html>
 - Username: 802.3ck
- Comments are posted - <https://www.ieee802.org/3/ck/comments/index.html>

TASK FORCE STATUS

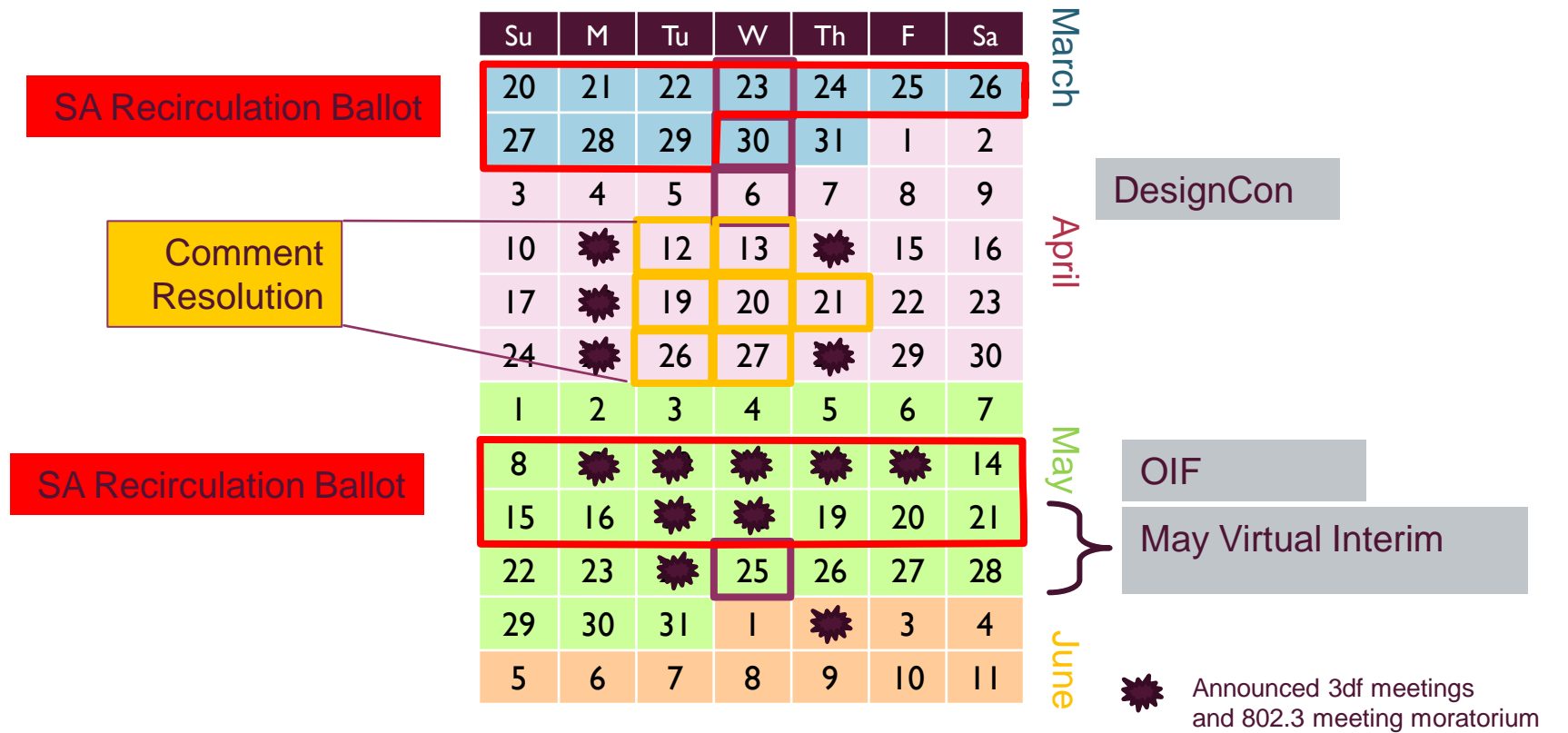
Offline consensus building is key!

■ SA Ballot & Comment Resolution

- Comment resolution: Scheduled as 7 meetings
 - Most are 4 hour meetings
 - Comment resolution can end as soon as all on-time comments are addressed. Ideally, using the fewest number of meetings possible.
 - NOTE: 4/21 or 4/27 meetings may run late
- Deadline for presentations has passed (4/4)
 - Remember to keep these to 7-8 min presentation (15min includes clarifying Q&A)
- Late presentations should have multiple supporters or collaborators – for the purpose of showing offline consensus that has developed
- Similar mode of operation to D3.0 comment resolution

Tuesday, April 12 – 6:30-10:30 am PDT
Wednesday, April 13 – 6:30-10:30 am PDT
Tuesday, April 19 – 6:30-10:30 am PDT
Wednesday, April 20 – 7-10 am PDT
Thursday, April 21 – 7-10* am PDT
Tuesday, April 26 – 6:30-10:30 am PDT
Wednesday, April 27 – 6:30-10:30* am PDT
*meetings on 4/21 and 4/27 may run passed end time

LOOKING AHEAD



MOTION #?

- Move to adopt the proposed responses in
 - 8023ck_D3p1_comments_proposed_bucket1.pdf
 - Except comments #5 & 60
- M:
- S:
- Technical ($\geq 75\%$)



THANK YOU!



IEEE STRUCTURE

IEEE-SA
Standards Association

Standards | Process

IEEE-SA
Standards Board

RevCom
Review Committee

NesCom
New Stds. Committee

IEEE 802
Sponsor Group

IEEE 802.3
Working Group

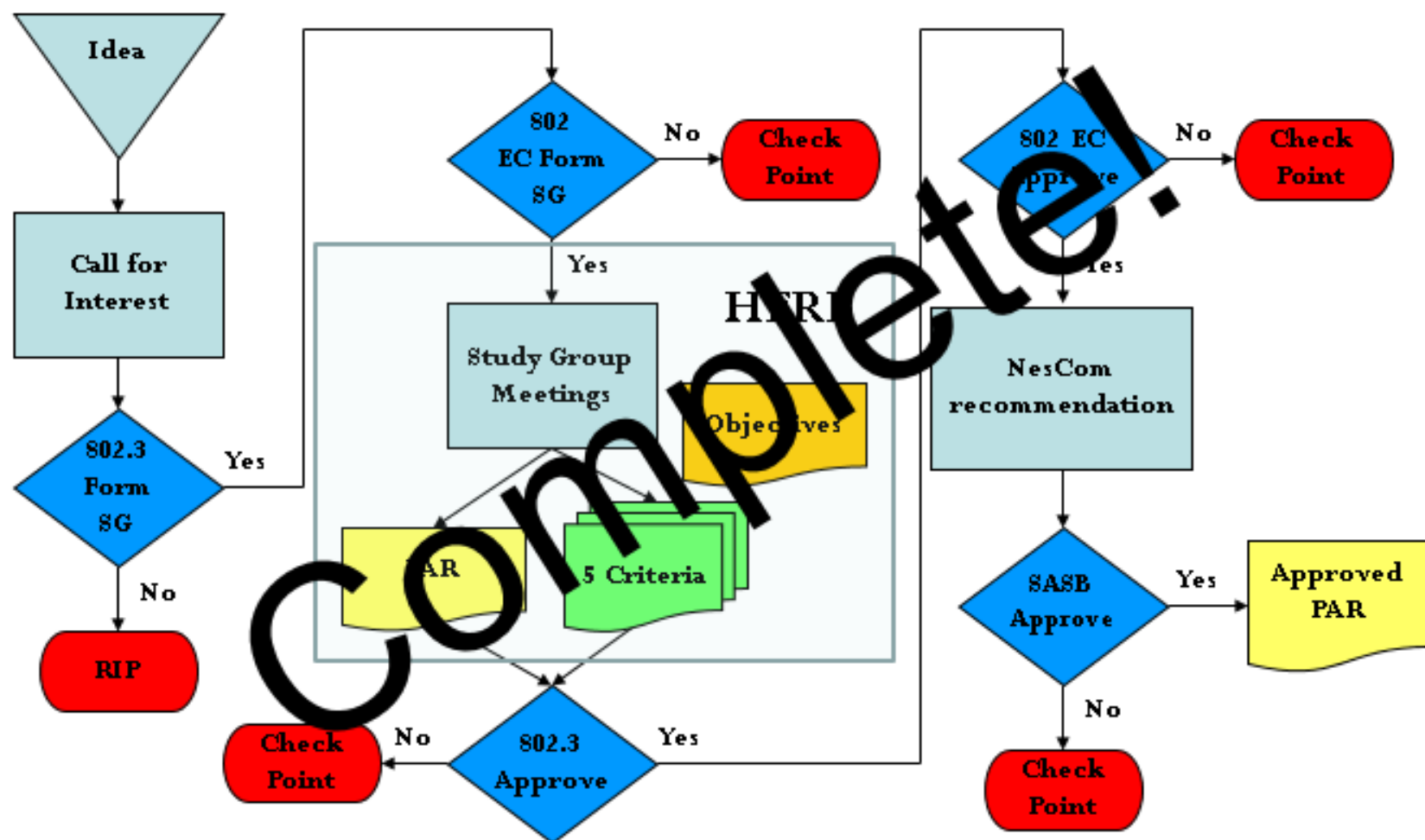
IEEE 802.3
Task Force ³⁵

Approval Process

Standards Process

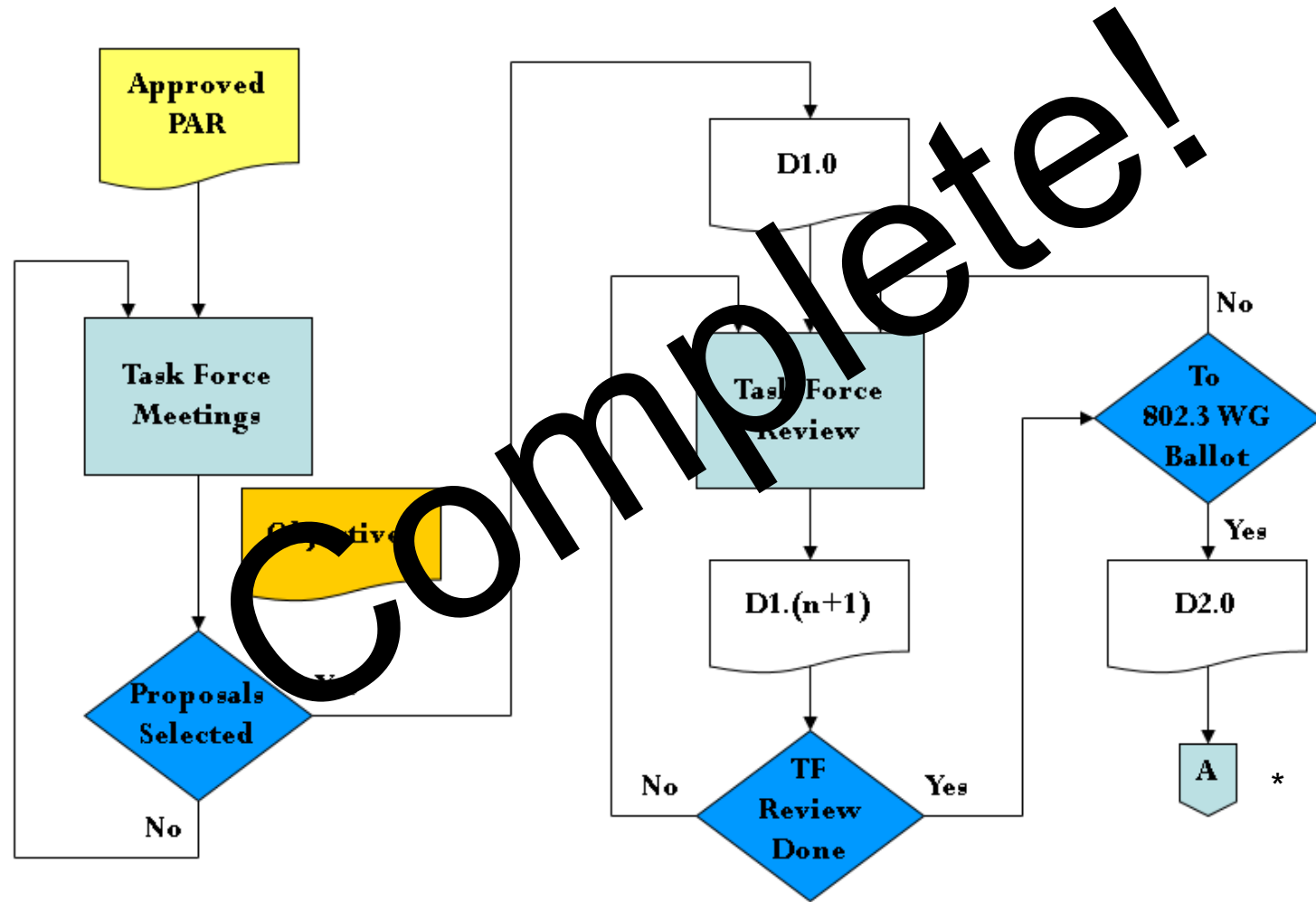
Technical Activities

Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

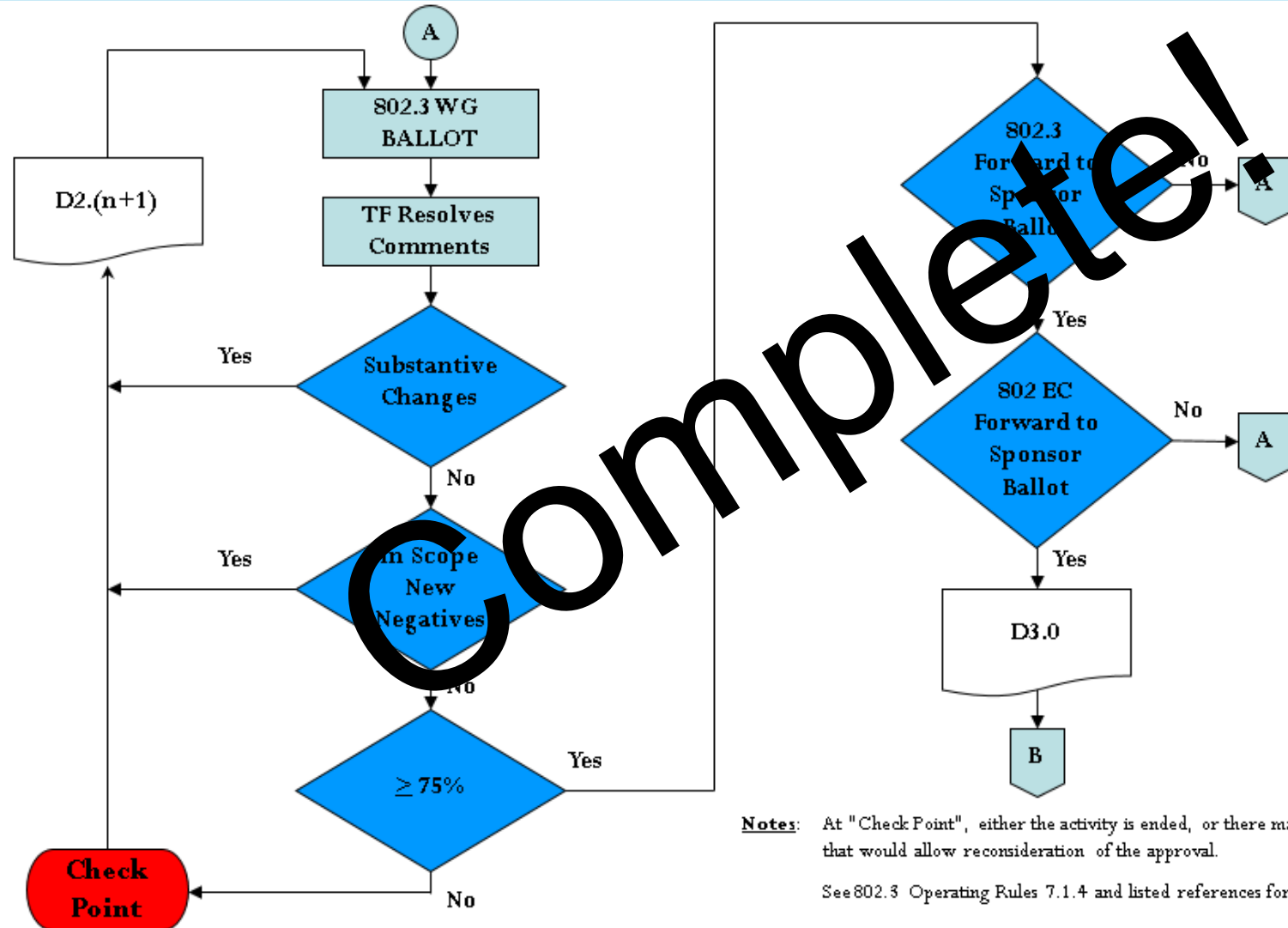


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



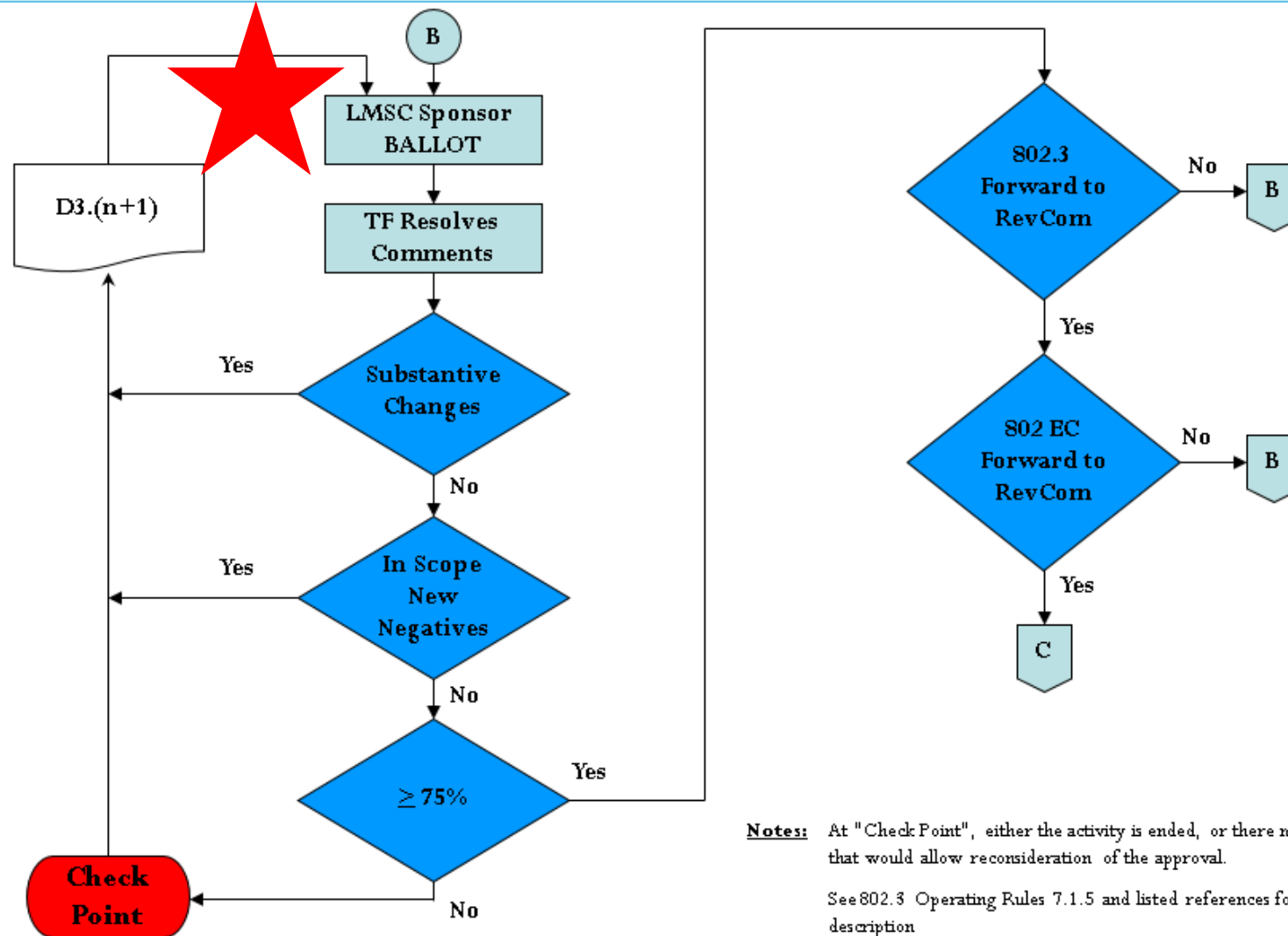
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See 802.3 Operating Rules 7.1.4 and listed references for complete description

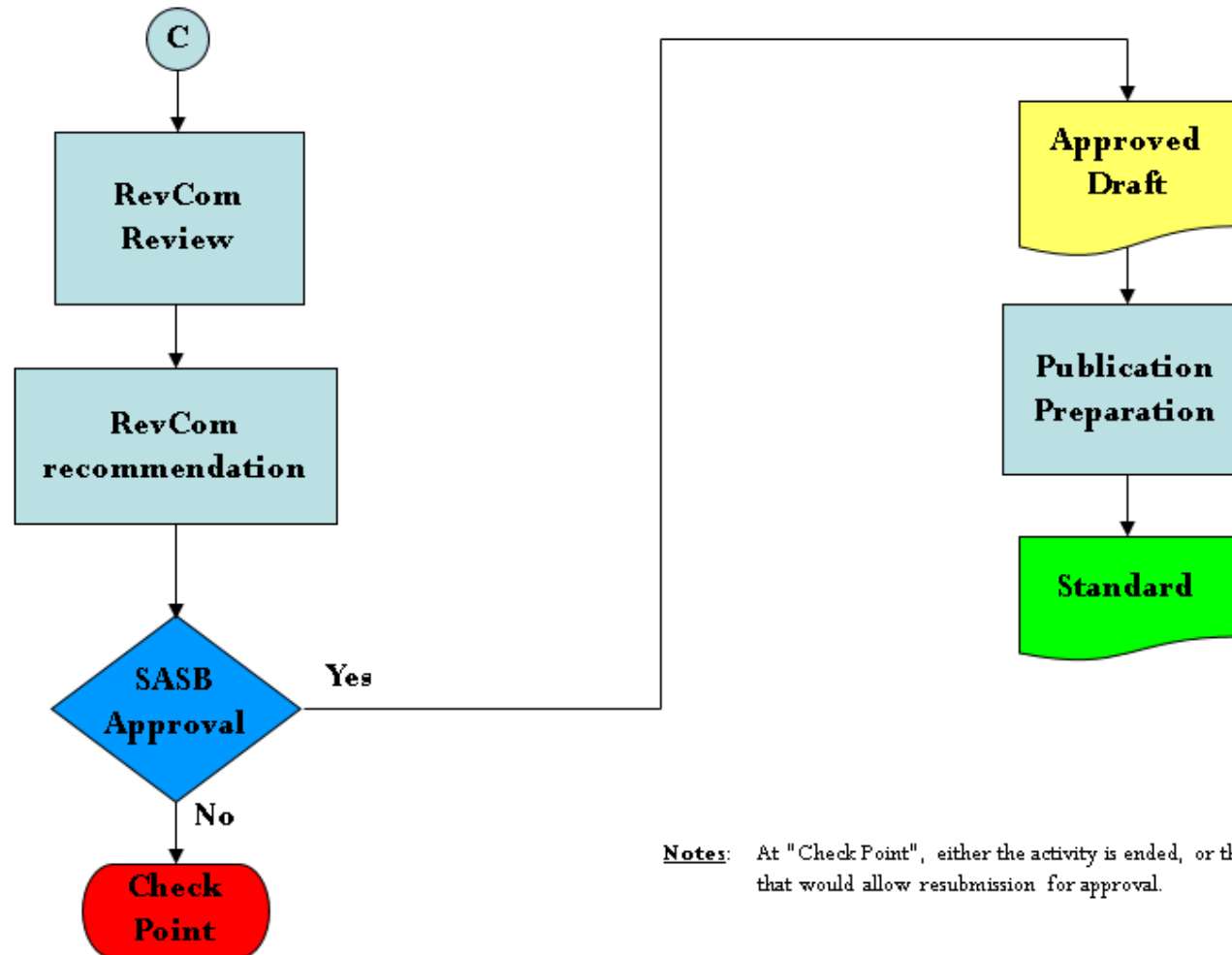
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See 802.3 Operating Rules 7.1.5 and listed references for complete description

Overview of IEEE 802.3 Standards Process (5/5) – Final Approvals / Standard Release



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

IEEE P802.3CK – 100 GB/S, 200 GB/S, 400 GB/S ELECTRICAL INTERFACES TASK FORCE - APPROVED PROJECT DOCUMENTS

- PAR: http://www.ieee802.org/3/ck/P802_3ck_PAR_140518.pdf
- CSD: http://www.ieee802.org/3/ck/P802_3ck_CSD_06apr18.pdf
- Objectives: http://www.ieee802.org/3/ck/P802_3ck_Objectives_2018mar.pdf

REFLECTOR AND WEB

- To subscribe to the 100GEL reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

subscribe STDS-802-3-100GEL <yourfirstname> <yourlastname>

end

- Send 100GEL reflector messages to:

STDS-802-3-100GEL@LISTSERV.IEEE.ORG

- Task Force  web page URL:

<http://www.ieee802.org/3/ck/index.html>

IMPORTANT BYLAWS AND RULES

- **IEEE-SA Operations Manual**
http://standards.ieee.org/develop/policies/sa_opman/
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/develop/policies/bylaws/>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/develop/policies/opman/>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**
<https://ieee.app.box.com/v/PandP-LMSC>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**
<http://www.ieee802.org/devdocs.shtml>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
<http://www.ieee802.org/devdocs.shtml>
- **IEEE 802.3 Working Group Operating Rules**
http://ieee802.org/3/rules/P802_3_rules.pdf